

GenCore version 5.1.3
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OM protein - nucleic search, using frame_plus.p2n model

Run on: January 16, 2003, 10:50:22 Search time: 11:14:23 seconds
(without alignments)
89,447 Million cell updates/sec

Title: US-09-856-070-21
Perfect score: 60
Sequence: 1 ITEM: 1000000000

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Ygapop 10.0, Ygapext 0.5
Zgapop 6.0, Zgapext 7.0
delop 6.0, delext 7.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 892724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

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-Q-/cgn2_6/ptdata/2/ins/SA_VMR.seq
-DB-issued.patents.NA -QMT-fastap -SUFFIX-rni -MINMATCH-0.1 -LOOP-0
-LOOPEXT-0 -UNITS-bits -START-1 -END-1 -MATRIX-blosum62 -TRANS-human40.cdi
-LIST-45 -DOCALIGN-200 -THR SCORE-thr -THR MAX-100 -THR MIN-0 -ALIGN-15
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-WARN_TIMEOUT-30 -THREADS-1 -XGAPOP-10 -XGAPEXT-0.5 -PCGAPOP-6 -PCGAPEXT-7
-XGAPOP-10 -XGAPEXT-0.5 -DELOP-6 -DELEXT-7

Database: Issued Patents.NA.*

- 1: /cgn2_6/ptdata/2/ins/SA_VMR.seq.*
- 2: /cgn2_6/ptdata/2/ins/SA_VMR.seq.*
- 3: /cgn2_6/ptdata/2/ins/SA_VMR.seq.*
- 4: /cgn2_6/ptdata/2/ins/SA_VMR.seq.*
- 5: /cgn2_6/ptdata/2/ins/SA_VMR.seq.*
- 6: /cgn2_6/ptdata/2/ins/SA_VMR.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	39	65.0	1068	5	PC1-US91-00899-13
2	39	65.0	1215	5	PC1-US91-00899-5
3	39	65.0	1488	1	US-07-914-281-9
4	39	65.0	1488	1	US-08-525-058A-9
5	39	65.0	1488	2	US-08-525-058A-9
6	39	65.0	1488	2	US-08-525-058A-9
7	39	65.0	1488	4	US-08-525-058A-9
8	39	65.0	2134	2	US-08-483-151-3
9	39	65.0	2175	4	US-08-482-073-4
10	39	65.0	2175	4	US-08-482-073-4
11	39	65.0	2861	4	US-08-482-073-10
12	39	65.0	3647	1	US-07-914-281-7

13	39	65.0	3647	1	US-08-393-246-7	Sequence 7, Appl
14	39	65.0	3647	1	US-08-525-058A-7	Sequence 7, Appl
15	39	65.0	3647	2	US-08-525-058A-7	Sequence 7, Appl
16	39	65.0	3647	4	US-09-042-531-7	Sequence 7, Appl
17	39	65.0	3647	5	PC1-US91-00899-4	Sequence 4, Appl
18	39	65.0	3647	5	PC1-US91-00899-4	Sequence 4, Appl
19	39	65.0	3647	5	PC1-US91-00899-4	Sequence 4, Appl
20	39	65.0	3647	5	PC1-US91-00899-4	Sequence 4, Appl
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23	39	65.0	3647	5	PC1-US91-00899-4	Sequence 4, Appl
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43	39	65.0	3647	5	PC1-US91-00899-4	Sequence 4, Appl
44	39	65.0	3647	5	PC1-US91-00899-4	Sequence 4, Appl
45	39	65.0	3647	5	PC1-US91-00899-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1

PC1-US91-00899-13

Sequence 13, Application PC/US9100899

GENPAT INFORMATION:

APPLICANT: LOWE, John B.

TITLE OF INVENTION: Method and Products For the Synthesis of

TITLE OF INVENTION: Oligosaccharide Structures on Glycoproteins, Glycolipids,

TITLE OF INVENTION: or as Free Molecules, and For the Isolation of Cloned

TITLE OF INVENTION: Genetic Sequences That Determine These Structures

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: GREEN, SPIVAK, McLELLAND, MATHER & NEUSTADT,

ADDRESS: P.C.

STREET: 1755 Bellvue Davis Highway, Suite 400

CITY: Arlington

STATE: Virginia

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PC1/US91/00899

FILING DATE: 19910214

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Lavalleye Ph.D., Jean-Paul

REGISTRATION NUMBER: 31,451

REFERENCE/AGENT NUMBER: 2363 021-55 PC1

TELEPHONE: (703)521-5940

TELEFAX: (703)486-2347

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 1068 base pairs
 TYPE: NUCLEIC ACID
 STRANDEDNESS: double
 TOPOLOGY: unknown
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 PCT-US91-00899-13

Alignment Scores:
 Pred. No.: 21.5 Length: 1068
 Score: 39.00 Matches: 8
 Percent Similarity: 84.33% Conservatives: 2
 Best Local Similarity: 66.67% Mismatches: 2
 Query Match: 65.00% Indels: 0
 DB: 5 Gaps: 0

US 09 856-070-21 (1 12) x PCT US91 00899 13 (1 1068)

QY 1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
 Db 259 GAGGAGGTGATGTGGGTGTTGACTAAGAGAG 264

RESULT 2

PCT US91-00899-5
 : Sequence 5, Application PCT/US91008994

GENERAL INFORMATION:

APPLICANT: LOWE, JOHN B.
 TITLE OF INVENTION: Method and Products for the Synthesis of
 TITLE OF INVENTION: oligosaccharide Structures on Glycoproteins, Glycolipids,
 TITLE OF INVENTION: or as Free Molecules, and for the Isolation of Cloned
 TITLE OF INVENTION: Genetic Sequences that Determine these Structures
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:

ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MATER & NEUSTADT,
 ADDRESSEE: P.C.
 STREET: 1755 Jefferson Davis Highway, Suite 400
 CITY: Arlington
 STATE: Virginia
 ZIP: 22202

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US91/00899
 FILING DATE: 19910214
 CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Lavalleye Ph.D., Jean-Paul
 REGISTRATION NUMBER: 31,451
 REFERENCE/DOCKET NUMBER: 2363-021-55 PCT
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 521-5940
 TELEFAX: (703) 486-2347

INFORMATION FOR SEQ. ID NO. 5:

SEQUENCE CHARACTERISTICS:
 LENGTH: 1215 base pairs
 TYPE: NUCLEIC ACID
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: DNA (genomic)
 PCT US91-00899-5

Alignment Scores:
 Pred. No.: 25.1 Length: 1215
 Score: 39.00 Matches: 8
 Percent Similarity: 84.33% Conservatives: 2
 Best Local Similarity: 66.67% Mismatches: 2
 Query Match: 65.00% Indels: 0
 DB: 5 Gaps: 0

US-09-856-070-21 (1-12) x PCT-US91-00899 5 (1 1215)

QY 1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
 Db 406 GAGGAGGTGATGTGGGTGTTGACTAAGAGAG 441

RESULT 3

US-07-914-281-9

: Sequence 9, Application US/07914281

GENERAL INFORMATION:

APPLICANT: LOWE, JOHN B.
 TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
 TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
 TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
 TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:

ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MATER & NEUSTADT,
 ADDRESSEE: P.C.
 STREET: 1755 Jefferson Davis Highway, Fourth Floor
 CITY: Arlington
 STATE: Virginia
 COUNTRY: U.S.A.
 ZIP: 22202

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/914,281
 FILING DATE: 19920720
 CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: Lavalleye, Jean-Paul M. P.
 REGISTRATION NUMBER: 31,451
 REFERENCE/DOCKET NUMBER: 2363-060-55
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 521-4500
 TELEFAX: (703) 486-2347

INFORMATION FOR SEQ. ID NO. 9:

SEQUENCE CHARACTERISTICS:
 LENGTH: 1488 base pairs
 TYPE: NUCLEIC ACID
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: DNA (genomic)
 US-07-914-281-9

Alignment Scores:

Pred. No.: 31.9 Length: 1488
 Score: 39.00 Matches: 8
 Percent Similarity: 84.33% Conservatives: 2
 Best Local Similarity: 66.67% Mismatches: 2
 Query Match: 65.00% Indels: 0
 DB: 1 Gaps: 0

US-09-856-070-21 (1-12) x US-07-914-281-9 (1-1488)

QY 1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
 Db 679 GAGGAGGTGATGTGGGTGTTGACTAAGAGAG 714

RESULT 4

US-08-193-246-9

: Sequence 9, Application US/08393246

GENERAL INFORMATION:

APPLICANT: LOWE, JOHN B.
 TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
 TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

FILE NO.	FILE NAME	FILE TYPE	FILE SIZE	FILE DATE	FILE TIME	FILE USER	FILE GROUP	FILE PERMISSION	FILE COMMENT
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2	FILE2.DAT	TEXT	2048	1994-03-30	10:05	USER1	GROUP1	rw-rw-r--	
3	FILE3.DAT	TEXT	4096	1994-03-30	10:10	USER1	GROUP1	rw-rw-r--	
4	FILE4.DAT	TEXT	8192	1994-03-30	10:15	USER1	GROUP1	rw-rw-r--	
5	FILE5.DAT	TEXT	16384	1994-03-30	10:20	USER1	GROUP1	rw-rw-r--	
6	FILE6.DAT	TEXT	32768	1994-03-30	10:25	USER1	GROUP1	rw-rw-r--	
7	FILE7.DAT	TEXT	65536	1994-03-30	10:30	USER1	GROUP1	rw-rw-r--	
8	FILE8.DAT	TEXT	131072	1994-03-30	10:35	USER1	GROUP1	rw-rw-r--	
9	FILE9.DAT	TEXT	262144	1994-03-30	10:40	USER1	GROUP1	rw-rw-r--	
10	FILE10.DAT	TEXT	524288	1994-03-30	10:45	USER1	GROUP1	rw-rw-r--	
11	FILE11.DAT	TEXT	1048576	1994-03-30	10:50	USER1	GROUP1	rw-rw-r--	
12	FILE12.DAT	TEXT	2097152	1994-03-30	10:55	USER1	GROUP1	rw-rw-r--	
13	FILE13.DAT	TEXT	4194304	1994-03-30	11:00	USER1	GROUP1	rw-rw-r--	
14	FILE14.DAT	TEXT	8388608	1994-03-30	11:05	USER1	GROUP1	rw-rw-r--	
15	FILE15.DAT	TEXT	16777216	1994-03-30	11:10	USER1	GROUP1	rw-rw-r--	
16	FILE16.DAT	TEXT	33554432	1994-03-30	11:15	USER1	GROUP1	rw-rw-r--	
17	FILE17.DAT	TEXT	67108864	1994-03-30	11:20	USER1	GROUP1	rw-rw-r--	
18	FILE18.DAT	TEXT	134217600	1994-03-30	11:25	USER1	GROUP1	rw-rw-r--	
19	FILE19.DAT	TEXT	268435200	1994-03-30	11:30	USER1	GROUP1	rw-rw-r--	
20	FILE20.DAT	TEXT	536870400	1994-03-30	11:35	USER1	GROUP1	rw-rw-r--	
21	FILE21.DAT	TEXT	1073740800	1994-03-30	11:40	USER1	GROUP1	rw-rw-r--	
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28	FILE28.DAT	TEXT	137438822400	1994-03-30	12:15	USER1	GROUP1	rw-rw-r--	
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31	FILE31.DAT	TEXT	1099510579200	1994-03-30	12:30	USER1	GROUP1	rw-rw-r--	
32	FILE32.DAT	TEXT	2199021158400	1994-03-30	12:35	USER1	GROUP1	rw-rw-r--	
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34	FILE34.DAT	TEXT	8796084633600	1994-03-30	12:45	USER1	GROUP1	rw-rw-r--	
35	FILE35.DAT	TEXT	17592169267200	1994-03-30	12:50	USER1	GROUP1	rw-rw-r--	
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38	FILE38.DAT	TEXT	140737354137600	19					


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Db 954 GAGAGTGCATCTGGGTGTTGACTACAGAGAG 989

RESULT 12
US-07-914-281-7
; Sequence 7, Application US/07914281
; Patent No. 5324663
; GENERAL INFORMATION:
; APPLICANT: LOWE, JOHN B.
; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OHLON, SPIVAK, MCCLILLAND, MAIER & NEUSIAU,
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/914.281
; FILING DATE: 19920720
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Lavalleye, Jean-Paul M. P.
; REGISTRATION NUMBER: 31.451
; REFERENCE/DOCKET NUMBER: 2363-060-55
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)521-4500
; TELEFAX: (703)486-2347
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3647 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; ANTI SENSE: NO
US-07-914-281-7

Alignment Scores:
Pred. No.: 92.2 Length: 3647
Score: 39.00 Matches: 8
Percent Similarity: 83.3% Conservative: 2
Best Local Similarity: 66.67% Mismatches: 2
Query Match: 65.00% Indels: 0
DB: 1 Gaps: 0

US-09-856-070-21 (1-12) x US-07-914-281-7 (1-3647)

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|||||: |||||: |||||: |||||: |||||:
Db 247 GAGAGTGCATCTGGGTGTTGACTACAGAGAG 2462

RESULT 13
US-08-393-246-7
; Sequence 7, Application US/08393246
; Patent No. 5595900
; GENERAL INFORMATION:
; APPLICANT: LOWE, JOHN B.
; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

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Search completed: January 16, 2003, 21:41:28
Job time : 43.1429 secs